

Author Index of Volume 154

- | | |
|---|---------|
| Baker, W.D. see Pomeranz, S.B. | 319–329 |
| Behdinan, K., Stylianou, M.C. and Tabarrok, B. Co-rotational dynamic analysis of flexible beams | 151–161 |
| Belytschko, T. see Liu, W.K. | 69–132 |
| Chen, Y.-I. and Stolarski, H.K. Extrapolated fields in the formulation of the assumed strain elements. Part II: Three-dimensional problems | 1– 29 |
| Cotsaftis, M., Robert, J., Rouff, M. and Vibet, C. Applications and prospect of the nonlinear decoupling method | 163–178 |
| Dubois-Pèlerin, Y. and Pegon, P. Linear constraints in object-oriented finite element programming | 31– 39 |
| Eyheramendy, D. and Zimmermann, T. Object-oriented finite elements. III. Theory and application of automatic programming | 41– 68 |
| Farhat, C. see Rixen, D. | 229–264 |
| Gérardin, M. see Rixen, D. | 229–264 |
| Grosh, K. and Pinsky, P.M. Galerkin Generalized Least Squares finite element methods for time-harmonic structural acoustics | 299–318 |
| Guo, Y. see Liu, W.K. | 69–132 |
| Idelsohn, S. see Nigro, N. | 203–228 |
| Kirk, A.W. see Pomeranz, S.B. | 319–329 |
| Liu, W.K., Guo, Y., Tang, S. and Belytschko, T. A multiple-quadrature eight-node hexahedral finite element for large deformation elastoplastic analysis | 69–132 |
| Lopez, S. A scheme for tracing the equilibrium path in perturbation methods | 193–202 |
| Nigro, N., Storti, M., Idelsohn, S. and Tezduyar, T. Physics based GMRES preconditioner for compressible and incompressible Navier–Stokes equations | 203–228 |
| Oberai, A.A. and Pinsky, P.M. A multiscale finite element method for the Helmholtz equation | 281–297 |
| Pegon, P. see Dubois-Pèlerin, Y. | 31– 39 |
| Pinsky, P.M. see Grosh, K. | 299–318 |
| Pinsky, P.M. see Oberai, A.A. | 281–297 |
| Pomeranz, S.B., Kirk, A.W. and Baker, W.D. An asymptotically exact finite element error estimator based on C^1 stress recovery | 319–329 |
| Rashid, M.M. The arbitrary local mesh replacement method: An alternative to remeshing for crack propagation analysis | 133–150 |

- Rixen, D., Farhat, C. and G  radin, M. A two-step, two-field hybrid method for the static and dynamic analysis of substructure problems with conforming and non-conforming interfaces 229-264
- Robert, J. see Cotsaftis, M. 163-178
- Rouff, M. see Cotsaftis, M. 163-178
- Rouff, M. and Verdier, M. Trajectories generation under constraints by linearization method 179-191
- Saigal, S. see Xu, Y. 331-343
- Stolarski, H.K. see Chen, Y.-I. 1-29
- Storti, M. see Nigro, N. 203-228
- Stylianou, M.C. see Behdinan, K. 151-161
- Tabarrok, B. see Behdinan, K. 151-161
- Tang, S. see Liu, W.K. 69-132
- Tezduyar, T. see Nigro, N. 203-228
- Verdier, M. see Rouff, M. 179-191
- Vibet, C. see Cotsaftis, M. 163-178
- Xu, Y. and Saigal, S. An element free Galerkin formulation for stable crack growth in an elastic solid 331-343
- Yu, X. Finite difference methods for the reduced water wave equation 265-280
- Zimmermann, T. see Eyheramendy, D. 41-68

Subject Index of Volume 154

Control theory

- Applications and prospect of the nonlinear decoupling method, M. Cotsaftis, J. Robert, M. Rouff and C. Vibet 163–178

Design of programs

- Co-rotational dynamic analysis of flexible beams, K. Behdinan, M.C. Stylianou and B. Tabarrok 151–161

Dynamics

- Co-rotational dynamic analysis of flexible beams, K. Behdinan, M.C. Stylianou and B. Tabarrok 151–161

Finite difference methods

- Finite difference methods for the reduced water wave equation, X. Yu 265–280

Finite element and matrix methods

- Extrapolated fields in the formulation of the assumed strain elements. Part II: Three-dimensional problems, Y.-I. Chen and H.K. Stolarski 1– 29
- Linear constraints in object-oriented finite element programming, Y. Dubois-Pèlerin and P. Pegon 31– 39
- Object-oriented finite elements. III. Theory and application of automatic programming, D. Eyheramendy and Th. Zimmermann 41– 68
- A multiple-quadrature eight-node hexahedral finite element for large deformation elastoplastic analysis, W.K. Liu, Y. Guo, S. Tang and T. Belytschko 69–132
- Co-rotational dynamic analysis of flexible beams, K. Behdinan, M.C. Stylianou and B. Tabarrok 151–161
- Physics based GMRES preconditioner for compressible and incompressible Navier–Stokes equations, N. Nigro, M. Storti, S. Idelsohn and T. Tezduyar 203–228
- A two-step, two-field hybrid method for the static and dynamic analysis of substructure problems with conforming and non-conforming interfaces, D. Rixen, C. Farhat and M. Géradin 229–264
- A multiscale finite element method for the Helmholtz equation, A.A. Oberai and P.M. Pinsky 281–297
- Galerkin Generalized Least Squares finite element methods for time-harmonic structural acoustics, K. Grosh and P.M. Pinsky 299–318
- An asymptotically exact finite element error estimator based on C^1 stress recovery, S.B. Pomeranz, A.W. Kirk and W.D. Baker 313–329

Fluid mechanics

- Physics based GMRES preconditioner for compressible and incompressible Navier–Stokes equations, N. Nigro, M. Storti, S. Idelsohn and T. Tezduyar 203–228

- Finite difference methods for the reduced water wave equation, X. Yu 265-280
- General Rayleigh-Ritz and Galerkin techniques*
- Galerkin Generalized Least Squares finite element methods for time-harmonic structural acoustics, K. Grosh and P.M. Pinsky 299-318
- Incompressible and near incompressible media*
- Physics based GMRES preconditioner for compressible and incompressible Navier-Stokes equations, N. Nigro, M. Storti, S. Idelsohn and T. Tezduyar 203-228
- Modern computer architecture*
- Linear constraints in object-oriented finite element programming, Y. Dubois-Pèlerin and P. Pegon 31- 39
- Object-oriented finite elements. III. Theory and application of automatic programming, D. Eyheramendy and Th. Zimmermann 41- 68
- Nonlinear dynamics of systems*
- Co-rotational dynamic analysis of flexible beams, K. Behdinan, M.C. Stylianou and B. Tabarrok 151-161
- Applications and prospect of the nonlinear decoupling method, M. Cotsaftis, J. Robert, M. Rouff and C. Vibet 163-178
- Trajectories generation under constraints by linearization method, M. Rouff and M. Verdier 179-191
- Nonlinear mechanics*
- A multiple-quadrature eight-node hexahedral finite element for large deformation elastoplastic analysis, W.K. Liu, Y. Guo, S. Tang and T. Belytschko 69-132
- Applications and prospect of the nonlinear decoupling method, M. Cotsaftis, J. Robert, M. Rouff and C. Vibet 163-178
- A scheme for tracing the equilibrium path in perturbation methods, S. Lopez 193-202
- An element free Galerkin formulation for stable crack growth in an elastic solid, Y. Xu and S. Saigal 331-343
- Numerical solution procedures*
- Extrapolated fields in the formulation of the assumed strain elements. Part II: Three-dimensional problems, Y.-I. Chen and H.K. Stolarski 1- 29
- A multiple-quadrature eight-node hexahedral finite element for large deformation elastoplastic analysis, W.K. Liu, Y. Guo, S. Tang and T. Belytschko 69-132
- Trajectories generation under constraints by linearization method, M. Rouff and M. Verdier 179-191
- A multiscale finite element method for the Helmholtz equation, A.A. Oberai and P.M. Pinsky 281-297
- An asymptotically exact finite element error estimator based on C^1 stress recovery, S.B. Pomeranz, A.W. Kirk and W.D. Baker 313-329
- An element free Galerkin formulation for stable crack growth in an elastic solid, Y. Xu and S. Saigal 331-343
- Optimization*
- Trajectories generation under constraints by linearization method, M. Rouff and M. Verdier 179-191
- Plasticity*
- A multiple-quadrature eight-node hexahedral finite element for large deformation elastoplastic analysis, W.K. Liu, Y. Guo, S. Tang and T. Belytschko 69-132

Problems in physics

- A multiscale finite element method for the Helmholtz equation, A.A. Oberai and P.M. Pinsky 281-297
- Galerkin Generalized Least Squares finite element methods for time-harmonic structural acoustics, K. Grosh and P.M. Pinsky 299-318

Solution of differential equations

- Trajectories generation under constraints by linearization method, M. Rouff and M. Verdier 179-191

Solutions of ordinary and partial differential equations

- An asymptotically exact finite element error estimator based on C^1 stress recovery, S.B. Pomeranz, A.W. Kirk and W.D. Baker 313-329

Stability in structural mechanics

- A scheme for tracing the equilibrium path in perturbation methods, S. Lopez 193-202

Structural mechanics

- Extrapolated fields in the formulation of the assumed strain elements. Part II: Three-dimensional problems, Y.-I. Chen and H.K. Stolarski 1-29
- Co-rotational dynamic analysis of flexible beams, K. Behdinan, M.C. Stylianou and B. Tabarrok 151-161
- A two-step, two-field hybrid method for the static and dynamic analysis of substructure problems with conforming and non-conforming interfaces, D. Rixen, C. Farhat and M. G  radin 229-264
- An element free Galerkin formulation for stable crack growth in an elastic solid, Y. Xu and S. Saigal 331-343

Systems of linear and nonlinear simultaneous equations

- A two-step, two-field hybrid method for the static and dynamic analysis of substructure problems with conforming and non-conforming interfaces, D. Rixen, C. Farhat and M. G  radin 229-264

Viscous flow

- Physics based GMRES preconditioner for compressible and incompressible Navier-Stokes equations, N. Nigro, M. Storti, S. Idelsohn and T. Tezduyar 203-228